

To: Garcia, David[Garcia.David@epa.gov]
From: Watson, Jane
Sent: Mon 8/10/2015 5:29:46 PM
Subject: FW: Water Quality Criteria - Animas River
Animas River (NM) - WQC.xlsx

From: Garcia, David
Sent: Monday, August 10, 2015 11:50 AM
To: Gray, David
Cc: McCoy, Melinda; Watson, Jane; Crossland, Ronnie; Restivo, Angela
Subject: FW: Water Quality Criteria - Animas River

David,

Per your request attached are the NM WQS that apply to the Animas River. Please note, there are two tabs.

David F. Garcia

Deputy Director

Water Quality

Protection Division

U.S. EPA Region 6

1445 Ross Avenue (Mail Code: 6WQ-D)

Dallas, Texas 75202-2733

Phone: (214) 665-7593

Follow EPA Region 6



From: Brown, Jamesr
Sent: Monday, August 10, 2015 11:08 AM
To: Garcia, David
Subject: FW: Water Quality Criteria - Animas River

Sent from my Windows Phone

From: McCoy, Melinda
Sent: 8/7/2015 2:36 PM
To: Brown, Jamesr; Kirkland, Robert; McCasland, Mark; Garcia, David; Restivo, Angela
Cc: Foster, Althea; Crossland, Ronnie; Webster, Susan; Martinez, Maria; Crocker, Philip; Nelson, Russell
Subject: Water Quality Criteria - Animas River

Hi Everyone,

Earlier this morning, David and Maria asked me to compile the WQS applicable to the Animas River, and to identify any previous water quality impairments (303d listings) identified. Earlier today, I sent them a list of the applicable designated uses and the 303(d) listing information (see emails forwarded below).

Additionally, I have compiled an Excel spreadsheet showing the water quality criteria applicable to the two Animas River segments. Please see attached Excel file.

Thanks,

Melinda

Melinda McCoy, Environmental Scientist

Water Quality Standards Program

USEPA Region 6 (6WQ-EW)

1445 Ross Ave., Ste. 1200

Dallas, TX 75202

214-665-8055 (phone)

214-665-6689 (fax)

mccoy.melinda@epa.gov

From: McCoy, Melinda

Sent: Friday, August 07, 2015 11:31 AM

To: Garcia, David; Martinez, Maria; Brown, James

Cc: Nelson, Russell

Subject: Animas River WQS

Hi David and Maria,

The Animas River is a considered classified water. It is split into 2 segments between the NM/CO state line and it's confluence with the San Juan River. Estes Arroyo is the dividing line between the 2 segments. (See NMAC 20.6.4.403-404).

The table below shows the designated uses applicable to these 2 segments:

Animas from confluence with San Juan upstream to Estes Arroyo	Animas from Estes Arroyo upstream to NM/CO line
--	--

Marginal coldwater and warmwater	Coldwater
Primary Contact	Primary Contact
Public Water Supply	Public Water Supply
Industrial Water Supply	Industrial Water Supply
Irrigation	Irrigation
Livestock watering	Livestock watering
Wildlife Habitat	Wildlife Habitat

The criteria applicable to each of these designated uses can be found in NMAC 6.4.900 (see attachment). I can compile all of this into an Excel spreadsheet, but for the sake of time, I'm just including the attachment right now.

Note that the DO, temperature, and pH criteria differ for each aquatic life use:

Coldwater: dissolved oxygen 6.0 mg/L or more, 6T3 temperature 20°C (68°F), maximum temperature 24°C (75°F) and pH within the range of 6.6 to 8.8. Where a single segment-specific temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature and no 6T3 temperature applies.

Marginal Coldwater: dissolved oxygen 6 mg/L or more, 6T3 temperature 25°C (77°F), maximum temperature 29°C (84°F) and pH within the range from 6.6 to 9.0. Where a single segment-specific

temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature and no 6T3 temperature applies.

Warmwater: dissolved oxygen 5 mg/L or more, maximum temperature 32.2°C (90°F) and pH within the range of 6.6 to 9.0. Where a segment-specific temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature.

I'll send you the 303d information as soon as I gather it.

Thanks,

Melinda

Melinda McCoy, Environmental Scientist

Water Quality Standards Program

USEPA Region 6 (6WQ-EW)

1445 Ross Ave., Ste. 1200

Dallas, TX 75202

214-665-8055 (phone)

214-665-6689 (fax)

mccoy.melinda@epa.gov

From: McCoy, Melinda

Sent: Friday, August 07, 2015 11:44 AM

To: Garcia, David; Martinez, Maria; Brown, Jamesr

Cc: Nelson, Russell

Subject: Animas 303d listings (2014-2016 reporting cycle)

Hi David, Maria, and Jim,

From New Mexico's 2014-2016 Integrated Report. Here are the impairments identified for the Animas River (categories 4 and 5).

8-digit HUC	HUC Name	AU_ID	AU Name	WASTES	QSQS	IR	EPA	FIRST		
USGS				SIZE	REFERENCE	PAIRMENT	Category	STATUS	TMDL	LIST
HUC						(by AU)	Approval Date			
14080104	has	NM-2404_	Animas River (Estes Arroyo to So. Ute Indian Tribe bnd)	18.8	MILES	5.4	404i	5/5B	TMDL Completed	2013-09-20123000:00:00
14080104	has	NM-2404_	Animas River (Estes Arroyo to So. Ute Indian Tribe bnd)	18.8	MILES	5.4	Phosphorus total	5/5B	TMDL Completed	2013-09-20123000:00:00
14080104	has	NM-2404_	Animas River (Estes Arroyo to So. Ute Indian Tribe bnd)	18.8	MILES	5.4	Temperature	5/5B	List (no TMDL in place)	303(d)1998
14080104	has	NM-2404_	Animas River (Estes Arroyo to So. Ute Indian Tribe bnd)	18.8	MILES	5.4	Turbidity	5/5B	List (no TMDL in place)	303(d)2012
14080104	has	NM-2403_	Animas River (San Juan River to Estes Arroyo)	16.8	MILES	5.4	404i	4A	TMDL Completed	2013-09-20123000:00:00
14080104	has	NM-2403_	Animas River (San Juan River to Estes Arroyo)	16.8	MILES	5.4	Nutrient/Eutrophication	4A	TMDL Completed	2006-01-20041700:00:00
14080104	has	NM-2403_	Animas River (San Juan River to Estes Arroyo)	16.8	MILES	5.4	Temperature	4A	TMDL Completed	2013-09-20123000:00:00
14080104	has	NM-9000_	Beeline Farmington (Beeline Reservoir)	198	ACRES	20	Mercury in fish tissue	5/5A	List (no TMDL in place)	303(d)2004

Category Description

4A Available data and/or information indicate that at least one designated or existing use is not being supported, but a Total Maximum Daily Load (TMDL) is not needed because TMDLs have been already been established.

5A Available data and/or information indicate that at least one designated or existing use is not being supported and necessary TMDLs are underway or scheduled.

5B Available data and/or information indicate that at least one designated or existing use is not being supported and a review of the water quality standard will be conducted to verify appropriateness.

Melinda McCoy, Environmental Scientist

Water Quality Standards Program

USEPA Region 6 (6WQ-EW)

1445 Ross Ave., Ste. 1200

Dallas, TX 75202

214-665-8055 (phone)

214-665-6689 (fax)

mccoy.melinda@epa.gov